EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S2	1	("20060016860").PN.	US-PGPUB; USPAT	OR	OFF	2007/10/10 11:27
S3	48630	wire near bond$3 with (semiconductor or circuit or pcb or pwb)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/10/10 13:30
S4	11980	S3 and (clamp$3 or hold$3 or clasp $3)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/10/10 11:29
S5	3768	S4 and lead near frame	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/10/10 11:30
S7	2188	S5 and @ay<"2002"	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/10/10 11:31
S8	1121	S3 with (clamp$3 or hold$3 or clasp $3)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/10/10 13:30
S9	766	S8 and @ay<"2002"	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/10/10 13:45
S10	388	S9 and frame	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/10/10 13:31
S11	0	("10597708").PN.	US-PGPUB; USPAT	OR	OFF	2007/10/10 13:46
S12	22350	(wire adj bond$3 or wirebond$3) with semiconductor	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/10/10 14:11
S13	656	S12 with (clamp$3 or clasp$3 or hold $3)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/10/10 14:12
S14	3	S12 with (two or S2) (clamp$3 or clasp$3 or hold$3)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/10/10 14:12
S15	7	S12 with (two or S2) near (clamp$3 or clasp$3 or hold$3)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/10/10 14:22

S16	38	S12 with (multi$4 or many or few or S2 or two) near (clamp$3 or clasp$3 or hold$3)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/10/10 14:22
S17	106	("2743693" | "3680193" | "3894671" | "4441205" | "4871106" | "4877173" | "4886200" | "4899207" | "4951120" | "4979663" | "5082165" | "5111989" | "5116031" | "5119436" | "5137201" | "5176311" | "5238174").PN. OR ("5322207").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/10/10 15:07
S18	2	((("5322207") or ("6068174")).PN.	US-PGPUB; USPAT	OR	OFF	2007/10/10 15:23
S19	25	semiconductor with (two or S2) clamps	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/10/10 15:31
S20	1753	(228/213,4.5,44.7,180.5).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/10/10 15:33
S21	554	S20 and clamp	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/10/10 15:33
S23	1075	S20 and (clamp$3 or hold$3 or clasp $3)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/10/10 15:34
S24	836	S20 and (clamp$3 or hold$3 or clasp $3) and @ay<"2002"	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/10/10 15:35
S27	553	S24 and (wirebond43 or wire bond $3)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/10/10 16:15
S28	22350	(wirebond$3 or wire bond$3) with semiconductor	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/10/10 16:17
S29	7774	S28 and lead frame	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/10/10 16:18
S30	995	S29 and clamp$3	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/10/10 16:18
S31	685	S29 and clamp$3 and @ay<"2003"	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/10/10 16:19
S32	107	S31 and index$3	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/10/10 17:02
S33	1	("0000470").PN.	US-PGPUB; USPAT	OR	OFF	2007/10/10 17:03

S34	1	("0000002").PN.	US-PGPUB; USPAT	OR	OFF	2007/10/10 17:03
S35	1	("0000003").PN.	US-PGPUB; USPAT	OR	OFF	2007/10/10 17:03
S36	1	("0000005").PN.	US-PGPUB; USPAT	OR	OFF	2007/10/10 17:04
S37	11431	"470".clas.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/10/10 17:04
S38	0	S37 and (clamp$3 or clasp$3 or holder$3) and lead frame	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/10/10 17:05
S39	839	S37 and (clamp$3 or clasp$3 or holder$3)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/10/10 17:05
S40	678	S37 and (clamp$3 or clasp$3 or holder$3) and @ay<"2003"	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/10/10 17:06
S41	28879	"269".clas.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/10/11 13:03
S42	12851	S41 and (clamp$3 or clasp$3 or hold$3)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/10/11 07:21
S43	3099	S42 and frame	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/10/11 07:22
S44	1477	S41 and (few or many or two or multi$4) near (clasp$3 or clamp$3 or hold$3)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/10/11 07:25
S45	500	S44 and frame	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/10/11 07:25
S46	444	S45 and @ay<"2003"	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/10/11 08:23
S47	423	(269/42,63,56).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/10/11 08:23
S48	198	S47 and @ay<"2003"	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/10/11 09:40

S49	49	(("20020125558") or ("20040053442") or ("20060016860") or ("4766479") or ("4816216") or ("4905074") or ("5230458") or ("5454929") or ("5528078") or ("5550763") or ("5552631") or ("5635755") or ("5638596") or ("5642158") or ("5675177") or ("5686318") or ("5689135") or ("5783861") or ("5801448") or ("5807767") or ("5817540") or ("5818114") or ("5898220") or ("5911329") or ("5916696") or ("5945729") or ("5988619") or ("5992649") or ("5994166") or ("6012502") or ("6025212") or ("6040205") or ("6051878") or ("6060769") or ("6066515") or ("6069028") or ("6090263") or ("6110761") or ("6121118") or ("6126062") or ("6133638") or ("6158595") or ("6165815") or ("6175149") or ("6194777") or ("6222265") or ("6222265") or ("6313522") or ("6404044") or ("6583503")).PN.	US-PGPUB; USPAT	OR	OFF	2007/10/11 12:16
S50	28879	"269".clas.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/10/11 12:58
S51	8881	S50 and clamp$3	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/10/11 12:59
S52	301	S51 and semiconductor	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/10/11 12:59
S53	94	S52 and bond$3	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/10/11 13:00
S54	84	S53 and @ay<"2003"	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/10/11 13:03
S55	1122	S41 and convey$4	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/10/11 13:04
S56	937	S55 and (clamp$3 or hold$3 or clasp $3)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/10/11 13:04
S57	834	S56 and @ay<"2003"	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/10/11 13:10

S58	833	S55 and (many or multi$4 or two) and (clamp$3 or hold$3 or clasp$3)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/10/11 13:12
S59	561	S55 and (many or multi$4 or two) same (clamp$3 or hold$3 or clasp$3)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/10/11 13:12
S60	497	S59 and @ay< "2003"	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/10/11 14:17
S61	1054202	(clamp$3 or clasp$3)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/10/11 14:18
S63	264355	(stationary same mov$4)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/10/11 14:19
S64	3117575	(convey$3 or frame)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/10/11 14:19
S67	749	movable clamp$3 and stationary clamp$3	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/10/11 14:20
S68	108	S67 and (workpiece or semiconductor)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/10/11 14:21
S69	92	S68 and @ay< "2003"	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/10/11 14:21
S70	1755	(228/213,4.5,44.7,180.5).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/10/15 08:52
S71	733	S70 and clamp$5	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/10/15 08:52
S72	243	S71 and releas$5	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/10/15 08:53
S73	147	S70 and (clamp$5 with releas$5)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/10/15 08:53

S74	103	("3474685" | "3626590" | "3685137" | "3773240" | "3812947" | "3887996" | "3887998" | "3937386" | "3941294" | "3960279" | "4030657" | "4301958" | "4361261" | "4434347" | "4475681" | "4527730" | "4600138" | "4603803" | "4643629" | "4653681" | "4674670" | "4765531" | "4778097" | "4821945" | "4862245" | "4887758" | "4891687" | "4943843" | "5035034" | "5062565" | "5082165" | "5114066" | "5137201" | "5148959" | "5193733" | "5197652" | "5217154" | "5251805" | "5291061" | "5307978" | "5322207" | "5331200" | "5350106" | "5384155" | "5421503" | "5425491" | "5445306" | "5465899" | "5486733" | "5497031" | "5497032" | "5513792" | "5516023" | "5591920" | "5647528" | "5673845" | "5702049" | "5813590" | "5826778" | "5871136" | "5890644" | "5894981" | "5897048" | "5904288" | "5954842" | "5979743" | "6000599" | "6047468" | "6047877" | "6102275" | "6109501" | "6164514" | "6196445" | "6206274").PN. OR ("2001/0007084" | "2003/0121955" | "2004/0112936" | "5264002" | "6322659" | "6334566" | "6382494"). URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/10/15 12:30
S75	75502	(wirebond$3 or wire near4 bond$3)	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/10/15 12:47
S76	2607021	(semiconductor or pcb or pwb or circuit or workpiece or chip)	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/10/15 12:47
S77	742108	(convey$3 or lead near frame)	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/10/15 12:48
S78	18699	S75 and S76 and S77	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/10/15 12:49
S79	5221	S78 and (row or column)	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/10/15 12:49
S80	903	S79 and index$3	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/10/15 13:12
S81	102899	(semiconductor or circuit or pcb or workpiece) with (row or column)	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/10/15 13:13
S82	742108	(convey$3 or lead near frame)	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/10/15 13:13
S83	2356	S75 and S81 and S82	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/10/15 13:14
S84	304	S83 and index$3	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/10/15 13:33
S85	222	S84 and (clamp$3 or clasp$3 or hold $3)	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/10/15 13:38
S87	4153	convey$4 same mov$5 (clamp$4 or grip$5 or clasp$4 or hold$4)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/10/16 08:42

S88	376	S87 same (workpiece or circuit or semiconductor or pcb or pwb)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/10/16 08:45
S89	77	S88 and index$4	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/10/16 08:51
S90	1335	convey$4 same (workpiece or circuit or semiconductor or pcb or pwb) same index$4	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/10/16 08:52
S91	1	("5292388").PN.	US-PGPUB; USPAT	OR	OFF	2007/10/16 09:03
S92	6	(("4635788") or ("4887758") or ("4973244") or ("5501316") or ("5661090") or ("5683410")).PN.	US-PGPUB; USPAT	OR	OFF	2007/10/16 09:06
S93	6114	lead frame same (clamp$4 or grip$5 or hold$5 or clasp$5)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/10/16 09:08
S94	2939	S93 same (semiconductor or circuit or pcb or pwb)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/10/16 09:10
S95	72	S94 same index$4	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/10/16 09:24
S96	0	("10536251").PN.	US-PGPUB; USPAT	OR	OFF	2007/10/16 09:24
S97	1	("20060124614").PN.	US-PGPUB; USPAT	OR	OFF	2007/10/16 09:26
S98	1	("6871548").PN.	US-PGPUB; USPAT	OR	OFF	2007/10/16 09:28
S99	2	(("6669794") or ("4976582")).PN.	US-PGPUB; USPAT	OR	OFF	2007/10/16 09:31
S100	14	mov$5 (clamp$5 or clasp$4) same (semiconductor or circuit or pcb or pwb) same lead frame	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/10/16 09:35
S101	773	mov$5 (clamp$5 or clasp$4) same (semiconductor or circuit or pcb or pwb)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/10/16 09:35
S102	19	S101 same wire near3 bond$3	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/10/16 09:35

S103	166	("3171187" | "3262022" | "3265806" | "3281628" | "3317287" | "3341649" | "3423516" | "3431092" | "3436810" | "3444440" | "3444441" | "3544857" | "3566207" | "3685137" | "3887998" | "3937386" | "3960279" | "3995845" | "4030657" | "4301958" | "4361261" | "4434347" | "4527730" | "4600138" | "4603803" | "4653681" | "4674670" | "4765531" | "4778097" | "4821945" | "4862245" | "4887758" | "4891687" | "4943843" | "5035034" | "5062565" | "5114066" | "5137201" | "5148959" | "5193733" | "5197652" | "5217154" | "5251805" | "5291061" | "5307978" | "5322207" | "5331200" | "5350106" | "5384155" | "5421503" | "5425491" | "5445306" | "5465899" | "5486733" | "5497031" | "5497032" | "5513792" | "5516023" | "5591920" | "5647528" | "5673845" | "5813590" | "5826778" | "5890644" | "5894981" | "5904288" | "5954842" | "5979743" | "6000599" | "6047468" | "6047877" | "6062459" | "6206274" | "6290116" | "6305593" | "6325275").PN. OR ("2002/0023944" | "2004/0099711" | "2004/0112936" | "2006/0071385" | "3611061" | "6322659" | "6334566" | "6435400").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/10/16 09:54
S104	63	S103 and clamp	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/10/16 09:54
S105	110	S103 and (clamp$4 or clasp$4 or hold $4)	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/10/16 10:16
S106	5	S103 and mov$3 (clamp$4 or clasp $4 or hold$4)	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/10/16 10:21
S107	15157	"193".clas.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/10/16 10:23
S108	52	S107 and mov$3 (clamp$4 or clasp $4 or grip$4 or hold$4)	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/10/16 10:28
S109	147	(198/736).CCLS.	US-PGPUB; USPAT	OR	OFF	2007/10/16 10:46
S110	1	("4887758").PN.	US-PGPUB; USPAT	OR	OFF	2007/10/16 11:14
S111	881	convey$4 same (semiconductor or circuit or pcb or pwb) same index$3	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/10/16 11:18
S112	409	convey$4 same (semiconductor or circuit or pcb or pwb) with index$3	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/10/16 11:39
S113	7059	convey$4 same (semiconductor or circuit or pcb or pwb) with (index$3 or sens$4)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/10/16 11:39

S114	3857	convey$4 with (semiconductor or circuit or pcb or pwb) with (index$3 or sens$4)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/10/16 11:41
S115	55	convey$4 with (semiconductor or circuit or pcb or pwb) with (index$3 or sens$4) same (clamp$4)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/10/16 11:47
S116	3857	convey$4 with (semiconductor or circuit or pcb or pwb) with (index$3 or sens$4)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2007/10/16 11:48
S117	313	(wire near bond$3) same (multiple or many or few or two or even or odd) near2 lead frames	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2008/02/21 17:23
S118	10	(wire near bond$3) same (multiple or many or few or two or even or odd) near2 lead frames with rows	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2008/02/21 17:24
S119	2	(wire near bond$3) same lead frames with rows same convey$3	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2008/02/21 17:30
S120	54	(wire near bond$3) same (multiple or many or few or two or even or odd) with lead frames with rows	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2008/02/21 17:34
S121	114	(wire near bond$3) same (multiple or many or few or two or even or odd) with lead frames and convey$3	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2008/02/21 17:40
S122	1459	228/4.5.ccls.	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2008/02/21 17:45
S123	74	S122 and convey$3	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2008/02/21 17:45
S124	0	wire$1bond$4 same (motion near2 (sensor or detector)) same convey$3	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2008/02/22 14:20
S125	0	wire$1bond$4 same (motion near2 (sensor or detector))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2008/02/22 14:20
S126	47	wire$1bond$4 and (motion near2 (sensor or detector))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2008/02/22 14:21
S127	148	wire$1bond$4 and ((motion or movement or speed) near2 (sensor or detector))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2008/02/22 14:24

S128	4	wire$1bond$4 same ((motion or movement or speed) near2 (sensor or detector))	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2008/02/22 14:24
S129	1171	strap near2 bond$3	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2008/02/22 15:43
S130	10	(wire$1bond$3) with clamp$3 same (releas$3)	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2008/02/25 10:27
S131	21	"6062459"	US-PGPUB; USPAT; FPRS; EPO; JPO; DERWENT	ADJ	ON	2008/02/27 12:30

8/19/2008 10:42:47 AM
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